

МЕЖДУНАРОДНАЯ ЗАЯВКА, ОПУБЛИКОВАННАЯ В СООТВЕТСТВИИ
С ДОГОВОРОМ О ПАТЕНТНОЙ КООПЕРАЦИИ (РСТ)

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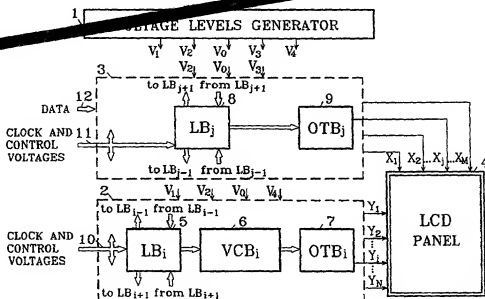
(54) Title: METHOD AND DEVICE FOR CONTROLLING A SCREEN, SCREEN AND VARIANTS

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(57) Abstract

The present invention relates to a method that involves during the access to the screen of electrodes

to the column electrodes of a screen, additionally supplying a reference voltage V_0 located between voltages having a different sign relative to V_0 as well as voltages having a different sign relative to V_0 and a constant duration. The different-sign levels are located at the limits of the interval T_r and said levels are arranged in T_r according to the following order: in the adjacent T_r , in the adjacent column busses, in the adjacent frames. The method also involves shifting the voltage pulses for the groups of column electrodes (Fig. 21). The control device includes a unit of



transistors having output resistance values which are close to each other. The method also involves applying to the screen electrodes compensation voltages that do not depend on the subject of the image. The shape of the control pulses provides for an automatic compensation of the parasitic changes in the pixel brightness. In order to provide a two-row access, the method involves generating column voltages having a main component and an equalising component. The row and column voltages are determined by the equations $|V_{row}/1-\eta|$ and $|V_{col}/1-\eta|$ in which η is a voltage adjustment parameter. The N_{max} value of the screen is at least equal to the N_{max} number which is defined by a type of control diagram.